

PREVIEW

CLOSE

Quiz: Degrees of Polynomials (Advanced)

Question 1a of 15 (2 Determining what makes up a polynomial 91062)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: An expression must have a monomial of degree 2 or higher to be a polynomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback

The correct answer is: False.

Question 1b of 15 (2 Determining what makes up a polynomial 282805)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: An expression must have a monomial of degree 1 or higher to be a polynomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback

The correct answer is: False.

Question 1c of 15 (2 Determining what makes up a polynomial 282806)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: An expression must have a monomial of degree 1 or higher to be a polynomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback

The correct answer is: False.

Question 2a of 15 (1 Indicating the degree of a polynomial 91063)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: A polynomial of degree zero is a constant term.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 2b of 15 (1 Indicating the degree of a polynomial 282807)

Maximum Attempts: 1
Question Type: True-False
Maximum Score: 2
Question: A polynomial of degree zero is a constant term.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 2c of 15 (1 Indicating the degree of a polynomial 282808)

Maximum Attempts: 1
Question Type: True-False
Maximum Score: 2
Question: A polynomial of degree zero is a constant term.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 3a of 15 (2 Indicating the degree of a polynomial 258397)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 8
Question: Enter the degree of the polynomial below:

$$9x^3 + 3x^8 + 6x^7 + 5x^6 - 7x^5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 8.

Question 3b of 15 (2 Indicating the degree of a polynomial 282809)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 9
Question: Enter the degree of the polynomial below:

$$2x^4 + x^9 + 5x^6 + 5x^5 - 7x^3$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 9.

Question 3c of 15 (2 Indicating the degree of a polynomial 282810)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 7
Question: Enter the degree of the polynomial below:

$$10x^4 + 4x^5 + 7x^2 + 6x^7 - 8x^6$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 7.

Question 4a of 15 (2 Indicating the degree of a polynomial 258398)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 10
Question: Enter the degree of the polynomial below:

$$6x^6 + 9x^3 + 3x^2 - 4x^{10} - 9x^5 - 5x^6$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 10.

Question 4b of 15 (2 Indicating the degree of a polynomial 283251)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 9
Question: Enter the degree of the polynomial below:

$$5x^5 + 8x^2 + 2x - 3x^9 - 8x^4 - 4x^5$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 9.

Question 4c of 15 (2 Indicating the degree of a polynomial 283252)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 11
Question: Enter the degree of the polynomial below:

$$7x^7 + 10x^4 + 4x^3 - 5x^{11} - 10x^6 - 6x^7$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 11.

Question 5a of 15 (2 Identifying terms, constants, coefficients, and degrees 258399)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 5
Question: What is the coefficient of the term of degree 1 in the polynomial?

$$4x^2 + 3x^9 - 6x^3 + 5x - 8$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 5.

Question 5b of 15 (2 Identifying terms, constants, coefficients, and degrees 283253)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 3

Question: What is the coefficient of the term of degree 1 in the polynomial?

$$2x^8 - 5x^2 + 3x + 4$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 3.

Question 5c of 15 (2 Identifying terms, constants, coefficients, and degrees 283254)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 9

Question: What is the coefficient of the term of degree 1 in the polynomial?

$$5x^2 + 7x^{10} - 4x^4 + 9x - 2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 9.

Question 6a of 15 (2 Identifying terms, constants, coefficients, and degrees 258400)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 5

Question: What is the coefficient of the term of degree 8 in the polynomial?

$$4 + 5x^8 + 9x - 6x^4 - 3x^5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 5.

Question 6b of 15 (2 Identifying terms, constants, coefficients, and degrees 283255)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 6

Question: What is the coefficient of the term of degree 7 in the polynomial?

$$4 + 6x^7 + 10x - 5x^6 - 2x^5$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 6.

Question 6c of 15 (2 Identifying terms, constants, coefficients, and degrees 283256)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 7

Question: What is the coefficient of the term of degree 9 in the polynomial?

$$5 + 7x^9 + 12x - 5x^7 + 3x^2$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 7.

Question 7a of 15 (2 Identifying terms, constants, coefficients, and degrees 91068)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following shows the polynomial below written in descending order?

$$4x^2 - x + 8x^6 + 3 + 2x^{10}$$

	Choice	Feedback
A.	$3 + 2x^{10} + 8x^6 + 4x^2 - x$	
*B.	$2x^{10} + 8x^6 + 4x^2 - x + 3$	
C.	$8x^6 + 4x^2 + 3 + 2x^{10} - x$	
D.	$3 - x + 2x^{10} + 8x^6 + 4x^2$	

Global Incorrect Feedback
The correct answer is: $2x^{10} + 8x^6 + 4x^2 - x + 3$.

Question 7b of 15 (2 Identifying terms, constants, coefficients, and degrees 283257)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following shows the polynomial below written in descending order?

$$3x^3 + 9x^7 - x + 4x^{12}$$

	Choice	Feedback
A.	$3x^3 + 4x^{12} + 9x^7 - x$	
B.	$9x^7 + 4x^{12} + 3x^3 - x$	
*C.	$4x^{12} + 9x^7 + 3x^3 - x$	
D.	$-x + 3x^3 + 9x^7 + 4x^{12}$	

Global Incorrect Feedback

The correct answer is: $4x^{12} + 9x^7 + 3x^3 - x$.

Question 7c of 15 (2 Identifying terms, constants, coefficients, and degrees 283258)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following shows the polynomial below written in descending order?

$$5x^3 - x + 9x^7 + 4 + 3x^{11}$$

	Choice	Feedback
A.	$4 + 3x^{11} + 9x^7 + 5x^3 - x$	
B.	$9x^7 + 5x^3 + 4 + 3x^{11} - x$	
C.	$4 - x + 3x^{11} + 9x^7 + 5x^3$	
*D.	$3x^{11} + 9x^7 + 5x^3 - x + 4$	

Global Incorrect Feedback

The correct answer is: $3x^{11} + 9x^7 + 5x^3 - x + 4$.

Question 8a of 15 (2 Identifying terms, constants, coefficients, and degrees 91069)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following shows the polynomial below written in descending order?

$$4x^2 + 8x^4 + 3 + 2x^9 + x$$

	Choice	Feedback
A.	$3 + x + 2x^9 + 8x^4 + 4x^2$	
B.	$3 + 2x^9 + 8x^4 + 4x^2 + x$	
C.	$8x^4 + 4x^2 + 3 + 2x^9 + x$	
*D.	$2x^9 + 8x^4 + 4x^2 + x + 3$	

Global Incorrect Feedback

The correct answer is: $2x^9 + 8x^4 + 4x^2 + x + 3$.

Question 8b of 15 (2 Identifying terms, constants, coefficients, and degrees 283259)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following shows the polynomial below written in descending order?

$$5x^4 + 16x^5 + 6 + 4x^{10} + x$$

	Choice	Feedback
*A.	$4x^{10} + 16x^5 + 5x^4 + x + 6$	
B.	$16x^5 + 5x^4 + 6 + 4x^{10} + x$	
C.	$6 + 5x^4 + 4x^{10} + 16x^5 + x$	
D.	$x + 6 + 16x^5 + 5x^4 + 4x^{10}$	

Global Incorrect Feedback

The correct answer is: $4x^{10} + 16x^5 + 5x^4 + x + 6$.

Question 8c of 15 (2 Identifying terms, constants, coefficients, and degrees 283260)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following shows the polynomial below written in descending order?

$$5x^3 + 9x^8 + 16 + 4x^9 + x$$

	Choice	Feedback
A.	$5x^3 + x + 16 + 4x^9 + 9x^8$	
B.	$9x^8 + 5x^3 + 4x^9 + 16 + x$	
*C.	$4x^9 + 9x^8 + 5x^3 + x + 16$	
D.	$5x^3 + 9x^8 + 4x^9 + 16 + x$	

Global Incorrect Feedback

The correct answer is: $4x^9 + 9x^8 + 5x^3 + x + 16$.

Question 9a of 15 (1 Determining what makes up a polynomial 120197)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If the coefficient of the expression ax^n is negative and the exponent is positive, the expression will be a polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 9b of 15 (1 Determining what makes up a polynomial 283261)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If the coefficient of the expression ax^n is positive and the exponent is negative, the expression will be a polynomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback
The correct answer is: False.

Question 9c of 15 (1 Determining what makes up a polynomial 283262)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If the coefficient of the expression ax^n is a fraction and the exponent is positive, the expression will be a polynomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 10a of 15 (1 Determining what makes up a polynomial 120199)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: Monomials are *not* polynomials.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback
The correct answer is: False.

Question 10b of 15 (1 Determining what makes up a polynomial 283263)

Maximum Attempts: 1
 Question Type: True-False
 Maximum Score: 2
 Question: Monomials are polynomials.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 10c of 15 (1 Determining what makes up a polynomial 120199)

Maximum Attempts: 1
 Question Type: True-False
 Maximum Score: 2
 Question: Monomials are *not* polynomials.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback
The correct answer is False.

Question 11a of 15 (2 Determining what makes up a polynomial 120201)

Maximum Attempts: 1
 Question Type: Multiple Choice
 Maximum Score: 2
 Question: Which of the following is *not* a polynomial?

	Choice	Feedback
A.	$5x^2$	
B.	$-7x^7 - 3 + 2x^3$	
*C.	$5x^2 - 2x^{-7} + 2$	
D.	$2 - x^3 + 4x^0$	

Global Incorrect Feedback
The correct answer is: $5x^2 - 2x^{-7} + 2$.

Question 11b of 15 (2 Determining what makes up a polynomial 283265)

Maximum Attempts: 1
 Question Type: Multiple Choice
 Maximum Score: 2
 Question: Which of the following is *not* a polynomial?

	Choice	Feedback
A.	$3x^4$	
*B.	$5x^{10} - 4x^{-8} + 2$	
C.	$x^8 + 2x^3 + 7$	
D.	$5 - x^2 + 7x^0$	

Global Incorrect Feedback

The correct answer is: $5x^{10} - 4x^{-8} + 2$.

Question 11c of 15 (2 Determining what makes up a polynomial 283266)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following is *not* a polynomial?

	Choice	Feedback
*A.	$5x^{-2} + 2x + 7$	
B.	$5x^5 - 3x^3 + x$	
C.	$x^2 + x - 7x^0$	
D.	$3 + x^5 + 2x^{10}$	

Global Incorrect Feedback

The correct answer is: $5x^{-2} + 2x + 7$.

Question 12a of 15 (2 Indicating the degree of a polynomial 120203)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 5

Question: What is the degree of $6x^5 - 4x^2 + 2x^3 - 3 + x$?

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 5.

Question 12b of 15 (2 Indicating the degree of a polynomial 283267)

Maximum Attempts: 1

Question Type: Numeric Fill In Blank

Maximum Score: 2

Correct Answer: 4

Question: What is the degree of $12x^4 - 8x + 4x^2 - 3$?

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 4.

Question 12c of 15 (2 Indicating the degree of a polynomial 283268)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 6
Question: What is the degree of $7x^6 - 6x^5 + 2x^3 + x - 8$?

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 6.

Question 13a of 15 (2 Identifying terms, constants, coefficients, and degrees 120209)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which polynomial contains the powers in descending order?

	Choice	Feedback
A.	$-4x^5 + 4x^3 + x^7 - 10 + 2x^4$	
B.	$4x^3 - 4x^5 + 2x^4 + x^7 - 10$	
*C.	$x^7 - 4x^5 + 2x^4 + 4x^3 - 10$	
D.	$-10 + 4x^3 - 4x^5 + 2x^4 + x^7$	

Global Incorrect Feedback
The correct answer is: $x^7 - 4x^5 + 2x^4 + 4x^3 - 10$.

Question 13b of 15 (2 Identifying terms, constants, coefficients, and degrees 283269)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which polynomial contains the powers in descending order?

	Choice	Feedback
*A.	$4x^5 + 3x^4 - x^3 - 2x^2 + 1$	
B.	$-2x^2 + 1 + 3x^4 - x^3 + 4x^5$	
C.	$1 - 2x^2 - x^3 + 4x^5 + 3x^4$	
D.	$3x^4 - x^3 + 4x^5 - 2x^2 + 1$	

Global Incorrect Feedback
The correct answer is: $4x^5 + 3x^4 - x^3 + - 2x^2 + 1.$

Question 13c of 15 (2 Identifying terms, constants, coefficients, and degrees 283270)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2

Question: Which polynomial contains the powers in descending order?

	Choice	Feedback
A.	$10x^2 + 8x^3 + x^8 - 2 + 3x^6$	
B.	$3x^6 + 10x^2 + x^8 + 8x^3 - 2$	
C.	$8x^3 + x^8 + 10x^2 + 3x^6 - 2$	
*D.	$x^8 + 3x^6 + 8x^3 + 10x^2 - 2$	

Global Incorrect Feedback
The correct answer is: $x^8 + 3x^6 + 8x^3 + 10x^2 - 2.$

Question 14a of 15 (2 Determining what makes up a polynomial 120214)

Maximum Attempts: 1
Question Type: True-False
Maximum Score: 2

Question: If the degree of a term is negative, the term is still a monomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback
The correct answer is: False.

Question 14b of 15 (2 Determining what makes up a polynomial 283271)

Maximum Attempts: 1
Question Type: True-False
Maximum Score: 2

Question: If the degree of a term is a fraction, the term is still a monomial.

	Choice	Feedback
A.	True	
*B.	False	

Global Incorrect Feedback
The correct answer is: False.

Question 14c of 15 (2 Determining what makes up a polynomial 283272)

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If the degree of a term is zero, the term is still a monomial.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

Question 15a of 15 (1 Identifying terms, constants, coefficients, and degrees 120218)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: n

Question: A monomial term has the form ax^n , where the coefficient is a and the degree is ____.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: n .

Question 15b of 15 (1 Identifying terms, constants, coefficients, and degrees 283273)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: a

Question: A monomial term has the form $__x^n$, where the coefficient is a and the degree is n .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: a .

Question 15c of 15 (1 Identifying terms, constants, coefficients, and degrees 283274)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: n

Question: A monomial term has the form ax^n , where the coefficient is a and the degree is _____.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: n .
